

TULSI – SOLAR OVENS

We are in the field of design, development and manufacture of users' friendly solar cookers since last 30 years. After design, development and tests for various models we have now taken up manufacturing of box type oven only. We are currently dealing in the Box type solar oven and with the brand name Tulsi.

Our popular solar cooker models are

1. Tulsi Solar Oven

2. Tulsi Hybrid Solar Oven

Tulsi Hybrid solar oven is America's # 1 cooking appliance and is a popular model with other countries as well, while Tulsi Solar Oven is popular in Australia and New Zealand.

TULSI SOLAR OVEN:

It is the highest efficiency Solar Oven & confirms with Indian standards specifications which cooks 4 dishes (Two Kgs of food including water) at a time in about 1 to 1.5 hours depending upon the ambient conditions, solar insolation and type of food stuff to be cooked. The solar oven will only work when the sun is bright. Thus it will not work when:

It is raining

It is foggy

It is overcast

It is winter time (sun too low in sky) or during night

TULSI HYBRID SOLAR OVEN

It incorporates all features of Tulsi Solar oven but with additional electrical back-up system that consumes negligible electrical power on cooking electrically. The only fail safe cooking appliance in the market, cooks with Sun Rays (photons), sunrays plus electrical power or with power produced from solar PV or both. It is not dependent on the vagaries of the Sun. Hence it becomes a 24/7/365 cooking appliance.

Features:

i) All electrical components are 'ISI', U / L or CE approved as per International specifications.

ii) Solar oven is manufactured in dark red colour (refer attached picture) but can be custom made on bulk orders to your choice in other shades.

iii) The fixed socket (receptacle) and the detachable power cord of the oven will be as per the Indian layout.

iv) On power it cooks merely on 250 to 500 Watts \pm 10 % of consumption unlike other

traditional electrical cooking appliances which consume minimum 1500 to 2000 watts. Further, power consumption is thermostatically controlled; this further eliminates power wastage and saves food from burning, by maintaining the required optimum cooking temperature.

v) The dial thermometer and additional side booster reflector panels shown in our US distributor's website are not provided by us but are added by the him as an added feature at his cost, these additions are not required but taking into account US consumer psyche it boost's sales.

Common features of both the above models -

- 1. Four different dishes can be cooked at a time.*
- 2. Meets staggered meal time requirement.*
- 3. Hands off operation*
- 4. Food does not burn if left for some extra time.*
- 5. No fire hazards if simple precautions are observed.*

The electrical power requirement for cooking in Tulsi - Hybrid is more than 80% less from grid power due to low power requirement, as such can be conveniently used with solar photovoltaic Panel with 500 VA inverter, making most energy miser ELECTRICAL cooking appliance in the market

TULSI HYBRID SOLAR COOKER



SPECIFICATION

Tulsi Hybrid Solar Oven is a variant of the Tulsi Solar Oven with electrical heating system as an additional feature.

TECHNICAL SPECIFICATION

Aperture area	: 0.2372 m ²
Cooking Capacity	: 2 Kgs. approx at a time.
Cooker box	: Fire retardant resin, UV stabilized Fiberglass body.
Pots	: Four stainless steel, solar black painted.
Cooker Outer Box	: 535 X 535 mm.
Cooking tray	: Al. 480 X 480 mm.
Heater power	: High – 500 Watts \pm 10%, Low – 250 Watts \pm 10 %
Voltage	: 220 Volts
Power consumption	: 0.15 to 0.50 units for cooking one time meal, depending upon ambient conditions, quantity and quality of food etc.
Switch Position	: Low – for gentle cooking High – for fast cooking

OUR PRODUCTS

Tulsi Solar Oven



Specification of Tulsi Solar Oven

- Size of the cooker** : UV resistant molded fiberglass body
: 540x 540x 200 mm.
- Cooking Capacity** : 2 Kg. or 6-8 Kg per day
- Total weight** : Approx. Ten Kg including cooking pots.
- Tray Material & coating** : Aluminum sheet, black painted of high
: absorption and low emission.
- Cooking pots** : Stainless steel, hard black coated
: cooking pots with lid.
- Thermal performance** : F1 \geq 0.12, F2 $>$ 0.4 [GRADE A as per
: Indian Standard specifications]

Tulsi Hybrid Oven



Specification of Tulsi Hybrid Oven

- Size of the cooker** : UV resistant molded fiberglass body
: 540x 540x 200 mm.
- Cooking Capacity** : 2 Kg. or 6-8 Kg per day
- Total weight** : Approx. Ten Kg including cooking pots.
- Tray Material & coating** : Aluminum sheet, black painted of high
: heat absorption and low emission.
- Cooking pots** : Stainless steel, hard black coated
: cooking pots with lid.
- Energy source** : Solar + Low wattage power.
- Power consumption** : Approximately 0.1 to 0.4 kWh.
: depending